

Steve Sisolak
Governor



Richard Whitley
Director

State of Nevada Department of Health and Human Services

Update Concerning the Status of COVID-19 in Nevada

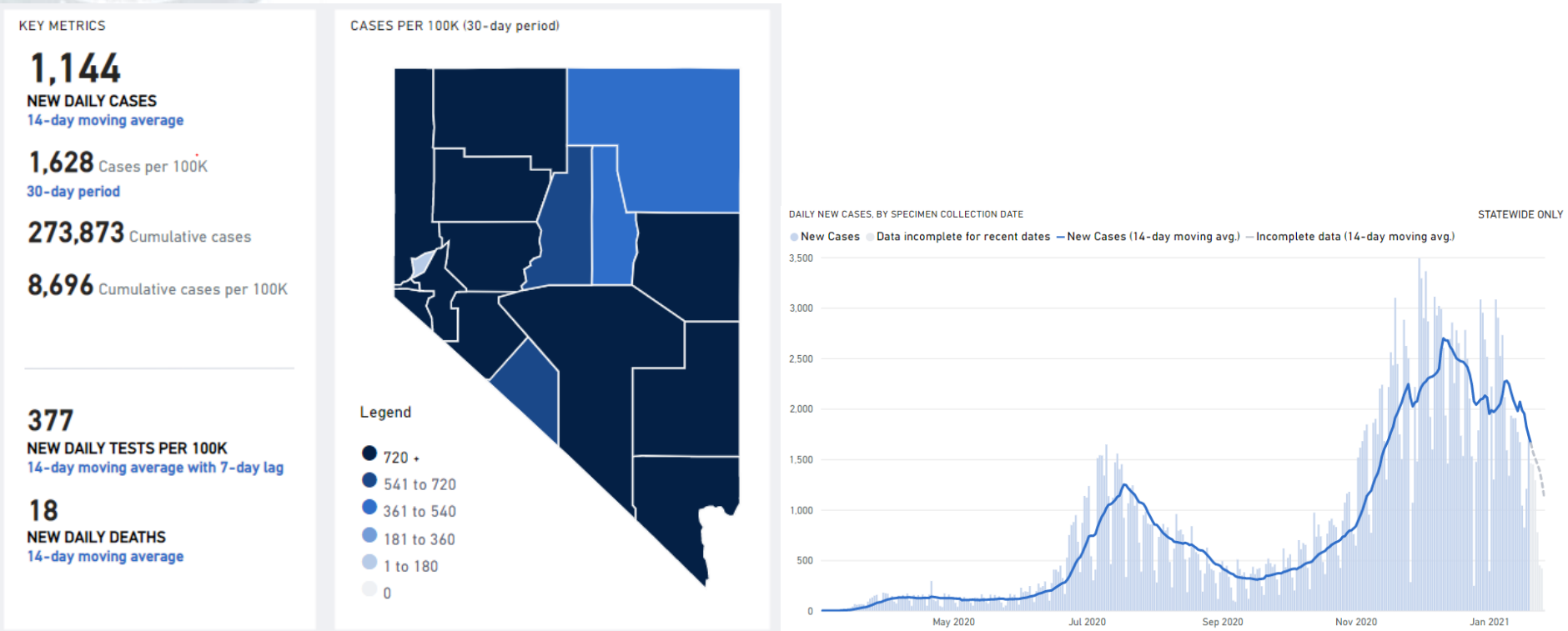
Kyra Morgan, MS, State Biostatistician



01/28/2021

Helping people. It's who we are and what we do.

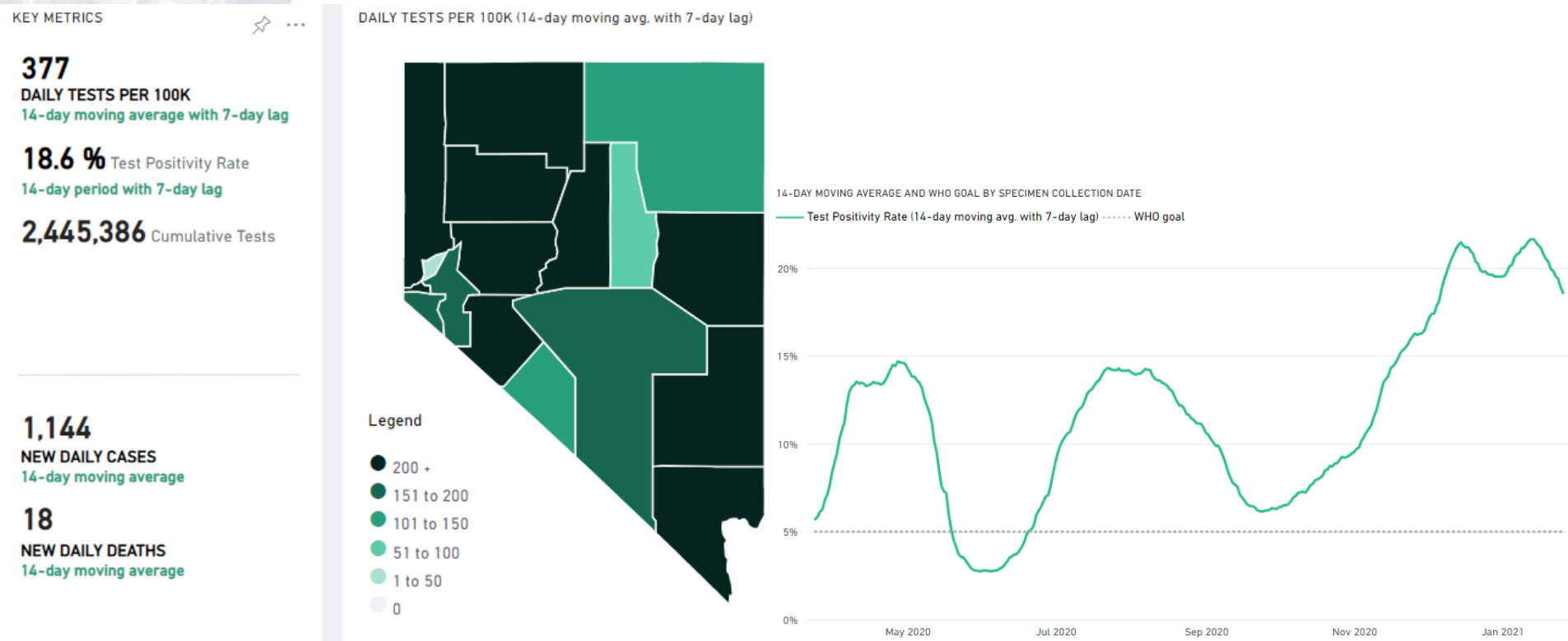
COVID-19 By The Numbers - Cases



It is likely that we have seen the full impact of holiday gatherings in our case trends and test positivity. We have seen a sustained downward trajectory in new cases since January 8th.



COVID-19 By The Numbers - Testing



Test positivity has been decreasing for the past two weeks, but is still very high, at 18.6%.

Regional differences are outlined on slide 11 in the county tracker.

COVID-19 By The Numbers - Hospitalizations

KEY METRICS

1,400

CONFIRMED & SUSPECTED HOSPITALIZATIONS
For the most recent day

344 Total ICU

For the most recent day

235 Total Ventilators

For the most recent day

1,144

NEW DAILY CASES
14-day moving average

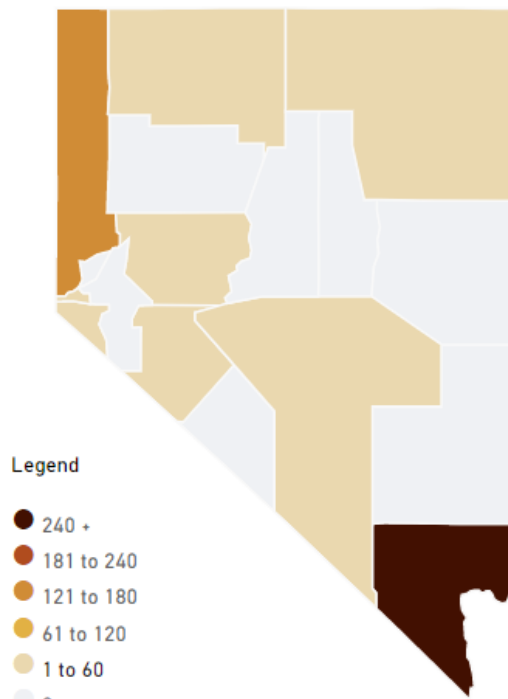
377

NEW DAILY TESTS PER 100K
14-day moving average with 7-day lag

18

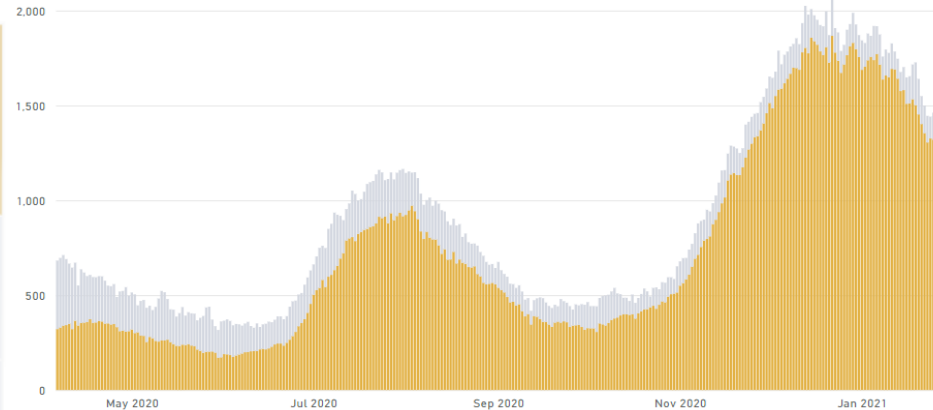
NEW DAILY DEATHS
14-day moving average

CONFIRMED HOSPITALIZATIONS (most recent day)



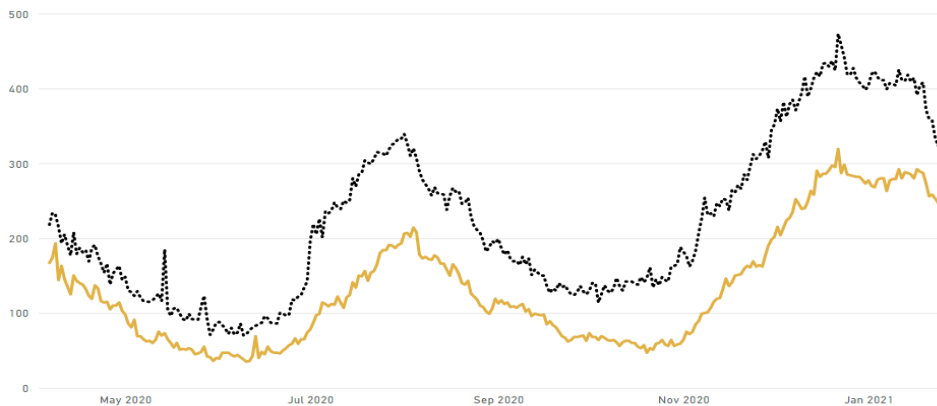
CONFIRMED AND SUSPECTED HOSPITALIZATIONS

Confirmed Suspected



CONFIRMED AND SUSPECTED INTENSIVE CARE UNIT (ICU) AND VENTILATOR UTILIZATION

Confirmed or Suspected COVID-19 in Intensive Care Unit (ICU) Confirmed or Suspected COVID-19 on Ventilator



There are currently 1,400 confirmed and suspected COVID-19 cases hospitalized in Nevada hospitals. This is down from a high of 2,126 on December 22nd.

We have seen a sustained downward trajectory in hospitalizations statewide since January 12th.

ICU and Ventilator use is also declining statewide since January 19th.



COVID-19 By The Numbers - Deaths

KEY METRICS

18

NEW DAILY DEATHS
14-day moving average

27 Deaths per 100K
30-day period

4,134 Cumulative Deaths

131 Cumulative Deaths per 100K

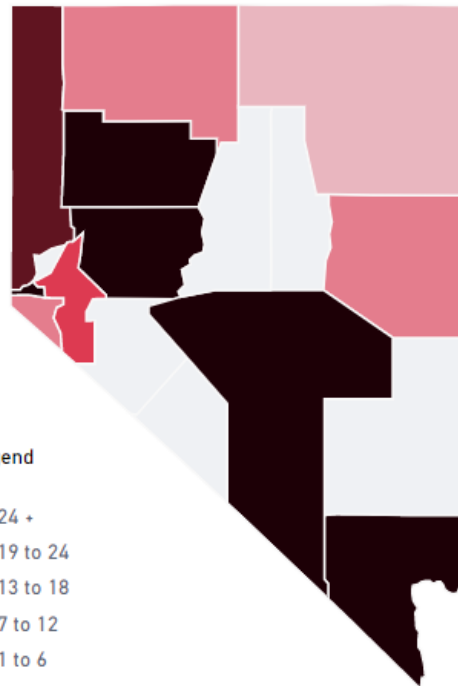
1,144

NEW DAILY CASES
14-day moving average

377

NEW DAILY TESTS PER 100K
14-day moving average with 7-day lag

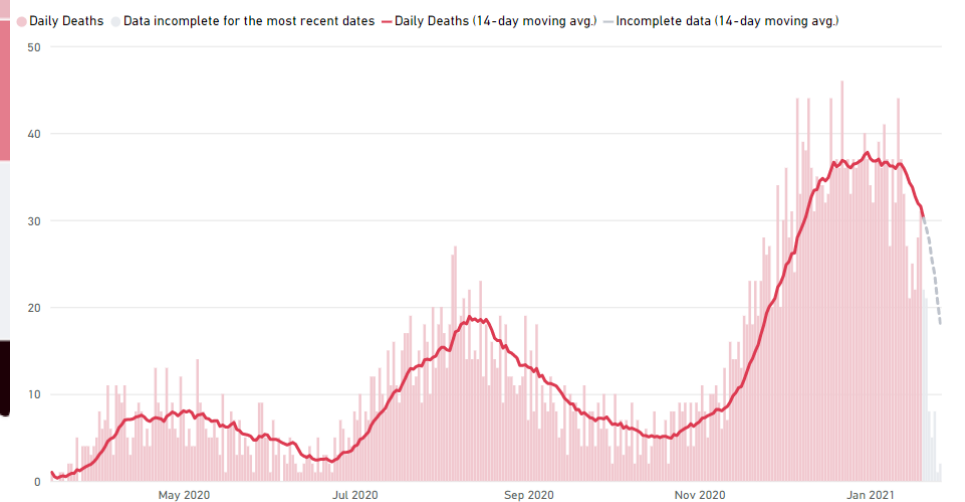
DEATHS PER 100K (30-day period)



Legend



DAILY DEATHS OVER TIME



We continue to see a record number of COVID-19 deaths reported daily, averaging 18-20 deaths per day over the previous 3-weeks.

Based on the case trends we have observed, which indicate a peak in late November – early December, it is possible that we are currently observing the peak in daily deaths



COVID-19 Testing Turnaround

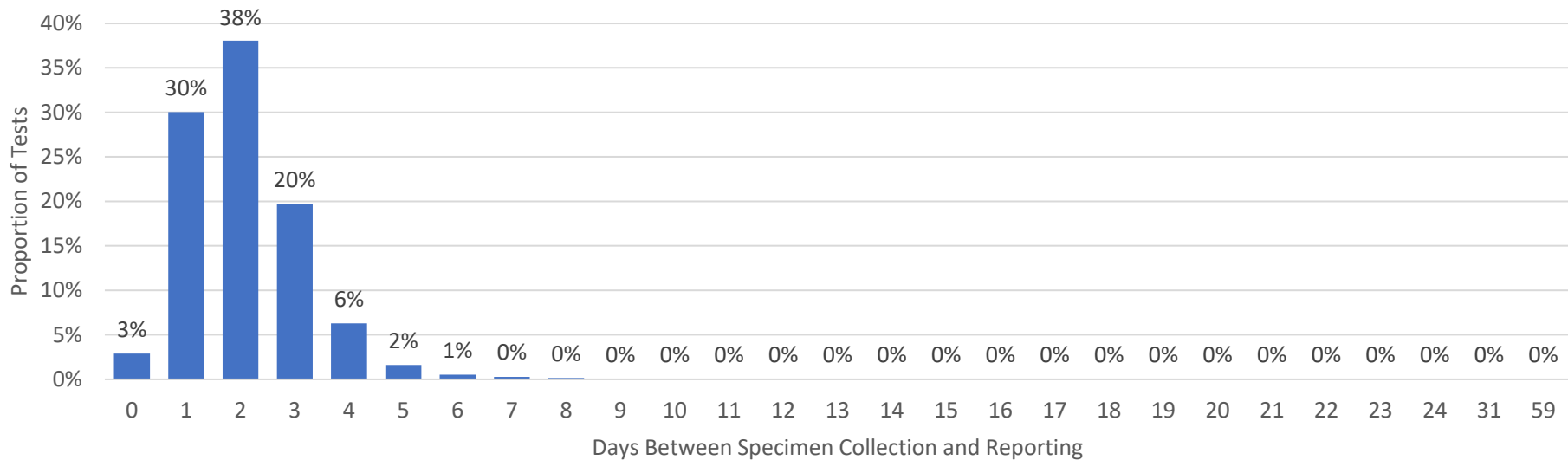
Median Time from Specimen Collection to Report, By County and Lab									
	CPL	LABCORP	NSPHL	Other	QUEST	RRMC	SOUTHERN	UMC	Total
Carson City	-	2	2	3	4	1	-	1	3
Churchill	-	2	2	3	6	1	-	2	2
Clark	2	2	2	2	3	1	2	2	2
Douglas	-	2	2	2	3	1	4	-	2
Elko	-	2	3	0	5	1	-	1.5	2
Esmeralda	-	4	-	1.5	4	-	2	1	2
Eureka	-	2	-	1	-	1	-	-	1
Humboldt	-	2	2.5	0	4	1	-	2	0
Lander	-	2	3	0	5	1	-	-	2
Lincoln	-	2	4	0	3	-	3	2	2
Lyon	-	2	2	1	3	1	2	2	2
Mineral	-	3	2	2.5	4	1	-	-	2
Nye	2	2	3	2	3	2	1.5	2	3
Pershing	-	2	3	1	4	1	-	-	2
Storey	-	2	2	1	3	1	-	-	1
Washoe	-	2	1	1	4	1	3	1	1
White Pine	-	2	-	0	6	1	2	2	0
Total	2	2	2	2	3	1	2	2	2

For Specimens collected January 1st - current, as of 01/27, it has taken approximately 2 days after specimen collection for results to be reported.

Differences across different counties and laboratories are displayed in the table above.



COVID-19 Testing Turnaround



Distribution of the Number of Days between Specimen Collection to Report, By County

Days	Carson City	Churchill	Clark	Douglas	Elko	Esmeralda	Eureka	Humboldt	Lander	Lincoln	Lyon	Mineral	Nye	Pershing	Storey	Washoe	White Pine	Total
0	3%	4%	1%	3%	16%	0%	11%	53%	31%	6%	6%	1%	1%	32%	2%	2%	75%	3%
1	21%	21%	27%	28%	19%	26%	44%	13%	4%	33%	43%	31%	13%	14%	67%	50%	1%	30%
2	23%	42%	42%	30%	26%	29%	22%	10%	30%	36%	25%	21%	36%	9%	17%	23%	1%	38%
3	23%	21%	21%	17%	14%	19%	6%	6%	21%	6%	13%	14%	37%	6%	10%	13%	1%	20%
4	14%	3%	6%	12%	11%	23%	17%	12%	9%	19%	6%	21%	12%	3%	5%	8%	3%	6%
5	3%	1%	1%	2%	6%	3%	0%	5%	5%	1%	1%	5%	1%	35%	0%	2%	6%	2%
6	1%	2%	0%	1%	1%	0%	0%	1%	0%	0%	0%	2%	0%	0%	0%	0%	6%	1%
7	1%	0%	0%	1%	3%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	4%	0%
8	2%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%
9	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
10	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
11	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%



Specimens collected January 1st – current, as of 1/27.

COVID-19 County Tracker

Data as of 01/24/2021

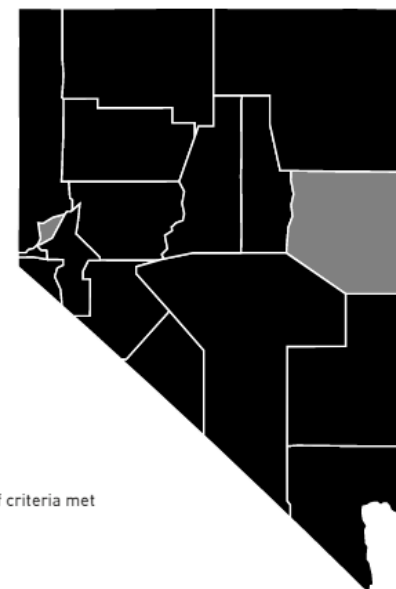
A county is flagged for elevated disease transmission if it meets two of the three criteria:

1. Average number of tests per day (per 100,000) < 100. The average number of molecular tests conducted in the most recent complete two week period in a county, divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Due to reporting delay, this is reported over a 14-day period with a 7-day lag. Counties that average fewer than 100 tests per day will meet this criterion.

2. Case rate (per 100,000) > 200. The total number of cases diagnosed and reported over a 30-day period divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Counties with a case rate greater than 200 per 100,000 will meet this criterion.

3. Case rate (per 100,000) > 50 AND testing positivity > 8.0%. The total number of positive molecular tests divided by the total number of molecular tests conducted. This number is then multiplied by 100 to get a percentage. Due to reporting delay (which may be different between positive and negative tests), this is reported over a 14-day period with a 7-day lag. Counties with a test positivity > 8.0% paired with case rate greater than 50 per 100,000 will meet this criterion.

County	Average Number of Tests per Day per 100k (14-day avg. with 7-day lag)	Case Rate per 100k (last 30 days)	Test Positivity (14-day with 7-day lag)
Carson City	321	1,155	13.2%
Churchill	327	1,353	18.9%
Clark	427	1,876	20.8%
Douglas	163	763	15.0%
Elko	150	486	10.7%
Esmeralda	154	616	9.5%
Eureka	47	458	23.1%
Humboldt	274	1,055	17.0%
Lander	345	650	10.0%
Lincoln	456	1,288	14.5%
Lyon	192	740	15.3%
Mineral	539	1,118	8.4%
Nye	166	753	23.2%
Pershing	312	1,163	9.9%
Storey	38	45	4.2%
Washoe	312	1,134	14.8%
White Pine	1,240	1,152	3.1%



All counties in Nevada, except for Storey and White Pine, are flagged for elevated transmission.

Of those counties that were flagged for elevated disease transmission:

- All are flagged with a high case rate (>200).
- All are flagged with a high test positivity (>8%).
- Only Eureka was flagged with a low average number of tests per day per 100,000 (<100).



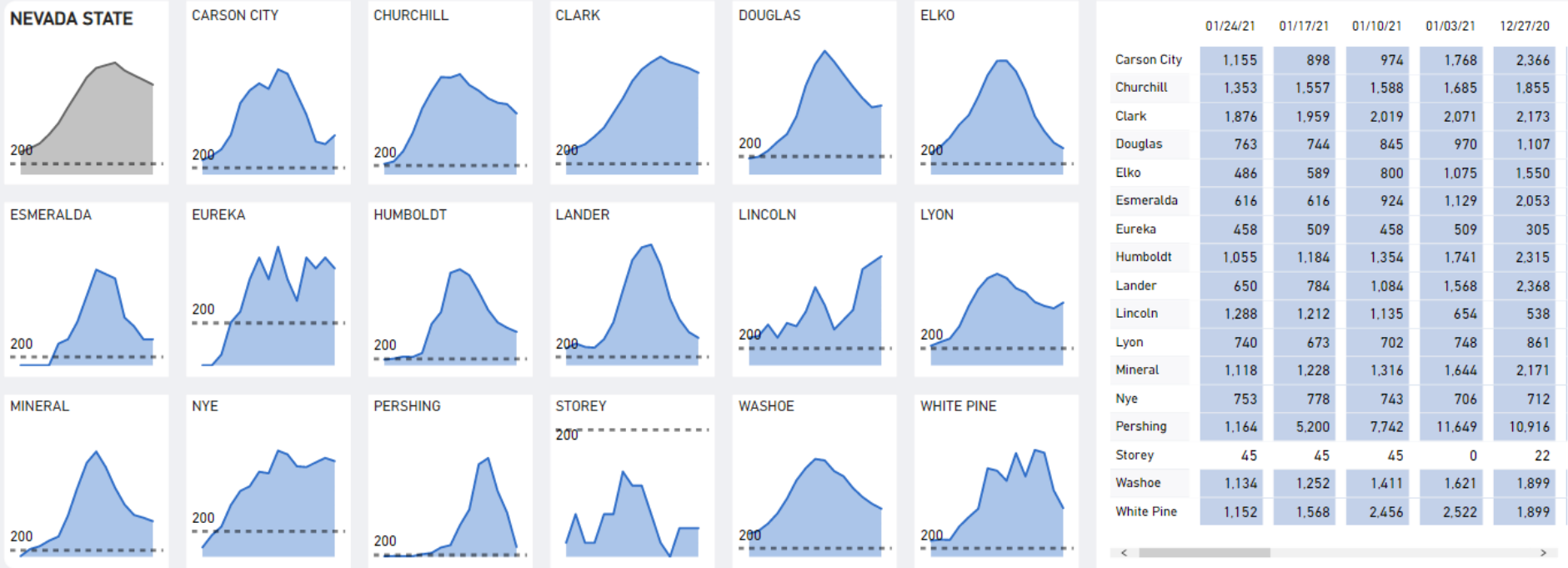
COVID-19 County Tracker

COUNTY TRACKER - CASES PER 100K PEOPLE

DATA AS OF 1/24/2021

Case Rate per 100,000. Threshold > 200

The total number of cases diagnosed and reported over a 30-day period divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Counties with a case rate greater than 200 per 100,000 will meet this criterion. County graphs are not presented on the same scale and should not be used for comparison purposes. For county-level comparisons, use the data table on the right. [Learn more](#)



For case rates, we have seen declining (improving) trends in the following counties: Churchill, Clark, Elko, Esmeralda, Humboldt, Lander, Mineral, Pershing, Washoe, and White Pine.



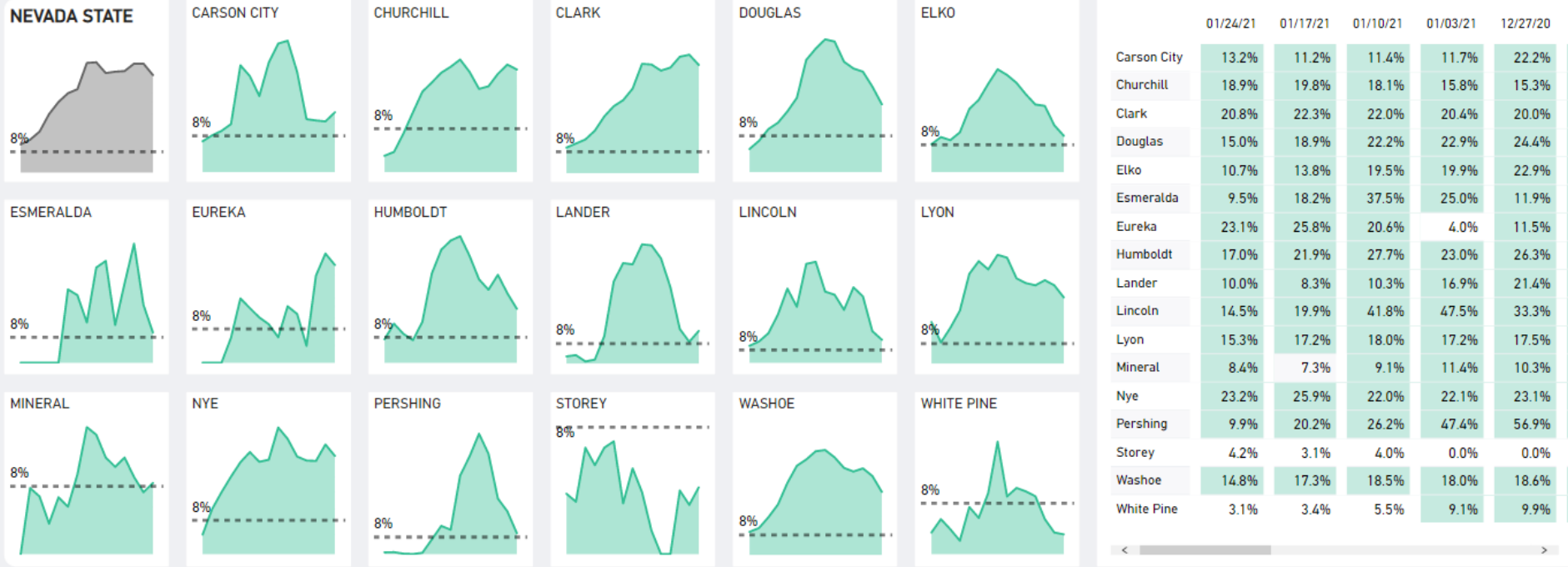
COVID-19 County Tracker

COUNTY TRACKER TESTS POSITIVITY RATE

DATA AS OF 1/24/2021

Test Positivity Rate. Threshold: (1) Test Positivity > 8.0% and Case Rate per 100,000 > 50

The total number of positive molecular tests divided by the total number of molecular tests conducted. This number is then multiplied by 100 to get a percentage. Due to reporting delay (which may be different between positive and negative tests), this is reported over a 14-day period with a 7-day lag. County graphs are not presented on the same scale and should not be used for comparison purposes. For county-level comparisons, use the data table on the right. [Learn more](#)



For test positivity, we have seen declining (improving) trends in the following counties: Douglas, Elko, Esmeralda, Humboldt, Lincoln, Lyon, Pershing, Washoe and White Pine.



These data include prison cases.

COVID-19 County Tracker

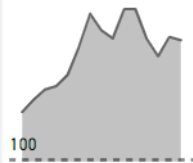
COUNTY TRACKER - TEST/DAY PER 100K PEOPLE

DATA AS OF 1/24/2021

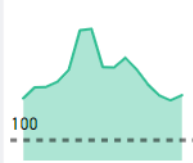
Average Number of Tests per Day per 100,000. Threshold < 100.

The average number of molecular tests conducted in the most recent complete two week period in a county, divided by the number of people living in the county. This number is then multiplied by 100,000 to control for varying populations in counties. Due to reporting delay, this is reported over a 14-day period with a 7-day lag. County graphs are not presented on the same scale and should not be used for comparison purposes. For county-level comparisons, use the data table on the right. [Learn more](#)

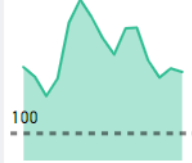
NEVADA STATE



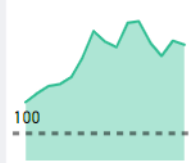
CARSON CITY



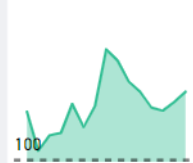
CHURCHILL



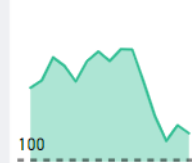
CLARK



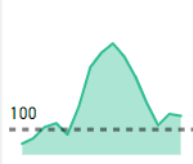
DOUGLAS



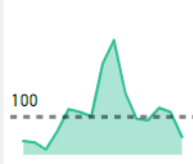
ELKO



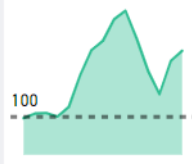
ESMERALDA



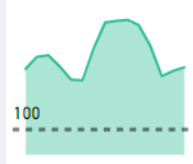
EUREKA



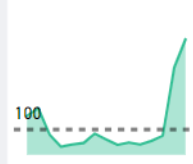
HUMBOLDT



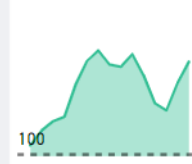
LANDER



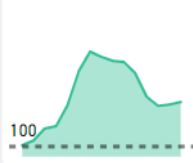
LINCOLN



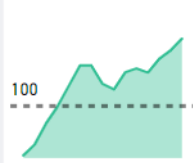
LYON



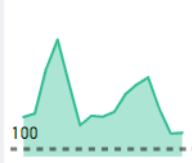
MINERAL



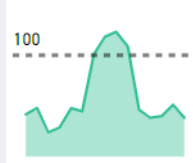
NYE



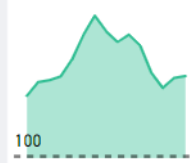
PERSHING



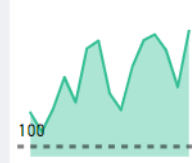
STOREY



WASHOE



WHITE PINE



	01/24/21	01/17/21	01/10/21	01/03/21	12/27/20
Carson City	321	296	320	374	447
Churchill	327	340	306	369	490
Clark	427	443	386	435	513
Douglas	163	154	146	149	163
Elko	150	165	136	182	245
Esmeralda	154	161	117	205	308
Eureka	47	113	124	91	94
Humboldt	274	247	160	221	304
Lander	346	331	311	430	511
Lincoln	456	345	76	55	41
Lyon	192	171	144	151	178
Mineral	539	515	501	590	821
Nye	166	155	147	133	137
Pershing	312	305	624	1,043	949
Storey	38	51	40	38	46
Washoe	312	307	281	321	392
White Pine	1,240	688	1,047	1,204	1,149



COVID-19 County Tracker (Comparison)

Nevada Department of Health and Human Services
Office of Analytics

County Tracker Results Comparison, with and without the inclusion of prison inmate-related testing encounters, January 24, 2020

Current Methodology					Excluding Prison Inmate-Related Testing Encounters					Difference				
County	Testing*	Case Rate†	Test Positivity‡	Score	County	Testing*	Case Rate†	Test Positivity‡	Score	County	Testing*	Case Rate†	Test Positivity‡	Score
Carson City	321	1,155	13.2%	2	Carson City	272	1,107	13.2%	2	Carson City	-15%	-4%	0%	-
Churchill	327	1,353	18.9%	2	Churchill	326	1,527	18.1%	2	Churchill	0%	13%	-4%	-
Clark	427	1,876	20.8%	2	Clark	403	1,814	20.0%	2	Clark	-6%	-3%	-4%	-
Douglas	163	763	15.0%	2	Douglas	151	753	16.2%	2	Douglas	-8%	-1%	8%	-
Elko	150	486	10.7%	2	Elko	136	460	11.6%	2	Elko	-10%	-5%	8%	-
Esmeralda	154	616	9.5%	2	Esmeralda	110	616	0.0%	1	Esmeralda	-29%	0%	-100%	1
Eureka	47	458	23.1%	3	Eureka	54	458	6.7%	2	Eureka	14%	0%	-71%	1
Humboldt	274	1,055	17.0%	2	Humboldt	233	1,061	12.9%	2	Humboldt	-15%	1%	-24%	-
Lander	346	650	10.0%	2	Lander	338	684	9.2%	2	Lander	-2%	5%	-8%	-
Lincoln	456	1,288	14.5%	2	Lincoln	364	1,288	17.4%	2	Lincoln	-20%	0%	20%	-
Lyon	192	740	15.3%	2	Lyon	183	729	13.8%	2	Lyon	-5%	-1%	-10%	-
Mineral	539	1,118	8.4%	2	Mineral	542	1,096	7.5%	1	Mineral	1%	-2%	-11%	1
Nye	166	753	23.2%	2	Nye	174	769	20.8%	2	Nye	5%	2%	-10%	-
Pershing	312	1,164	9.9%	2	Pershing	341	1,221	8.7%	2	Pershing	9%	5%	-12%	-
Storey	38	45	4.2%	1	Storey	48	45	3.3%	1	Storey	25%	0%	-21%	-
Washoe	312	1,134	14.8%	2	Washoe	299	1,118	13.7%	2	Washoe	-4%	-1%	-7%	-
White Pine	1,240	1,152	3.1%	1	White Pine	1,096	671	2.6%	1	White Pine	-12%	-42%	-16%	-

*Average Number of Tests Per Day (per 100,000)

†Cases (per 100,000)

‡Total number of positive molecular tests divided by the total number of molecular tests conducted multiplied by 100.

Excluding prison/inmate population does not significantly impact most counties' overall status for elevated disease transmission. The exceptions are Esmeralda and Mineral counties.

Counties that have relatively high increases in testing and case rates after excluding prison inmate populations are due to having few to zero COVID-19 positive inmates. Since the number of tests and/or cases remain relatively constant and the population size (denominator) is smaller without the inmate population, we would expect to see increases in testing and case rates.



Discussion

To request additional data, email the DHHS Office of Analytics at data@dhhs.nv.gov

